



City of Columbus, Ohio

THIS IS NOT AN ORDER

Solicitation - 90 2010 SA003609

Respond before: 06/24/2010 11:00 am

Bid Contact :
Tracena Fowler
Communications
220 Greenlawn Ave
Columbus OH 43223 -
For inquiries call : (614) 645 4937

GROUP	ITEM	QTY	DESCRIPTION
1	001	1.00 EA	Towers, Radio/Radar, etc., Maintenance and Repair (Including

1.0 SCOPE AND CLASSIFICATION:

1.1 Scope: The City of Columbus Division Support Services is seeking bids for the painting, installation of dual red/white LED flashing beacons and dual red/white LED sidelights with new control boxes, and installation of a lightning rod/ground system at two of its 314 foot self supporting public safety radio towers. Re-painting, installation of lighting systems and lightning rod/ground system on the City of Columbus owned facilities at 5900 Parsons Ave. and 4250 Groves Rd., respectively, is required as soon as possible upon completion of a certified contract.

1.2 Classification: The City of Columbus Division Support Services is re-painting, installing dual red/white LED flashing beacons and dual red/white LED sidelights with new control boxes, and installing lightning rod/ground systems at two (2) of its 314 foot self supporting public safety radio towers located on the City of Columbus owned facilities at 5900 Parsons Ave. and 4250 Groves Rd.. Requirement also includes the supplier providing a full parts and service warranty.

1.3 Pre-Bid: There will be no pre-bid conference for this project. Although not required, all bidders are encouraged to visit the project sites with a representative of the owner prior to the bidding process. To schedule a site visit, please contact John A. Grembowski Jr @ (614) 732-3346 or email him at jagrembowski@columbus.gov.

2.0 APPLICABLE PUBLICATIONS:

2.1 Electrical Code: Equipment provided and the installation thereof shall comply with all applicable electrical codes.

2.2 Safety Regulations: Equipment and services provided and the installation thereof shall comply with all applicable OSHA, FAA, FCC and other safety regulations and guidelines. This specifically includes FAA Circular Advisory AC 70/7460-1 Obstruction Marking and Lighting and FCC 47 CFR Ch. I, Pt 17 Construction, Marking, and Lighting of Antenna Structures. Bid must include all levels of lighting required for tower height by FAA and FCC regulations.

2.3 Manufacturer Specification Manuals: Installation and all parts are to comply with manufacturer specifications as stated in equipment manuals.

2.4 Manufacturer Names: All manufacturers, product names and product numbers referred to in these specifications (section 3.2 and 3.3 all) are to be bid on as written unless a particular manufacturer or part number is not listed for that item.

3.0 REQUIREMENTS:

3.1 General Requirements:

3.1.1 Term: The proposed contract is a one time purchase of all materials, services, and installation necessary for re-painting, installing dual red/white LED flashing beacons and dual red/white LED sidelights with new control boxes, and installation of lightning rod/ground systems. It is the intention of the City to have the installation and painting complete within one hundred twenty (120) days of a completed document.

3.1.2 Pricing: Suppliers are to bid firm, fixed prices. All pricing is to be FOB destination, freight prepaid and allowed. Pricing is to be the one time price for all materials, installation and a minimum of 1 year service and support plan as specified.

3.1.3 Quality Standard: All parts not specifically mentioned, which are necessary to provide a complete unit, shall be included in the bid and conform in strength and quality of material and workmanship to what is usually provided to the trade in general. The equipment offered shall be new and a current model under standard production by the manufacturer. The supplier shall guarantee to replace, FOB, the purchasers destinations, any part, parts, or entirety of the item(s) which prove defective.

3.1.4 Quantity: Delivery and destination of all supplies and parts necessary to complete one tower site at 5900 Parsons Avenue. Delivery and destination of all supplies and parts necessary to complete one tower site at 4250 Groves Rd. Both with service and support plan as specified herein. Tower site huts do not have adequate space or hazmat qualifications for storage. All parts and supplies must be brought to site on as needed basis.

3.2 Specification Requirements for 5900 Parsons Avenue:

3.2.1 Preparation: Before painting, all surfaces shall be clean and free from all foreign matter. The tower requires the scraping of loose paint and corrosion. Any areas showing corrosion will be spot primed. All debris must be removed by the supplier. If hazardous materials (lead paint, etc.) must be disposed of, this will also be accomplished by supplier.

3.2.2 Painting: One (1) coat of one (1) color of paint shall be applied to the tower. The color shall be metallic in nature and meet the specifications for application to a Rohn manufactured tower. All surfaces of all parts of the tower, including any exposed steel, any anchors, turnbuckles and cable clamps, shall be painted, except accessories, such as antennas, ladders, bottom of flanges, lights and cables. All bolts and nuts, which have not been painted, shall also be painted. The paint shall be applied by brushing or spraying, depending on conditions or the painter's option. All surfaces shall be uniformly covered, with no streaks or incompletely covered surfaces permitted.

3.2.3 LED Lighting System: Installation of one (1) complete Flash Technology FTS 362 Series ADVANCED LED SOLUTIONS L-864/L-865 system. System should have dual red/white LED flashing beacon & dual red/white LED sidelights with control box capable of switching between day and night modes. Control box is to be mounted inside of the tower hut on wall space provided. All wiring, circuitry and connections required to make system operational will be supplied by bidder and terminated at that point. Control box should provide dry contact alarm outputs for integration into a monitoring system.

3.2.4 Lightning Rod/Ground System: A lightning rod/ground system shall be installed on the tower. Rod/ground system selection is at the discretion of the supplier but must meet the following specifications and installation procedures: Air Terminal head is galvanized steel rod single pointed and installed on the highest point of the tower with minimal length not less than 2 meters fastened to structure tightly and firmly. Air terminal shall be welded to a down conductor wire installed by bidder along the main leg which will have support at an interval of 1.50 m. along the required length. Down conductor will be fastened to tower structure tightly and firmly by clamp. For down conductor, use bare steel galvanized wire twisted with 70 mm.² cross section surface. Down conductor wire shall connect to ground test box (casted aluminum) installed by bidder and shall connect to current tower grounding grid, plate or single point ground. Use exothermic welding to connect copper wire to tower structure and ground point. Installation shall include a test of the ground resistance value using earth tester and shall not be higher than 10 Ohms. In the case that the ground resistance value is higher than set value, more ground rod shall be installed or use of chemical technique shall be used to reduce ground resistance to not over 10 Ohms.

3.2.5 Materials Required: The supplier shall provide all parts and installation required for a complete paint job, lighting system, and lightning rod/ground installation, including but not limited to the following: All connectors, cabling, and fastening hardware.

3.2.6 Additional Materials: The supplier shall provide any materials in addition to the list above that are required to complete a fully operational system, rod/ground system installation and paint job as indicated by this specification.

3.2.9 Alternate Equipment: Alternate equipment is only applicable to items not listed by a specific part number. Any item without a specific part number listed may be provided at the bidder's discretion as long as it meets or exceeds current industry standards.

3.2.10 Installation Required: The control box for lighting system will be installed in a temperature controlled telecommunications equipment room. The lightning rod/ground system will be installed in locations appropriate and standard for the telecommunications industry. The supplier shall be responsible for the full installation and full activation of all equipment. The supplier shall be responsible for providing all equipment and manpower needed to effectively accomplish work including installations and activations.

3.2.11 Installation Coordination: All services shall be coordinated with a City of Columbus point of contact at a time which has been mutually agreed upon by the Supplier and the City of Columbus.

3.2.12 Installation Methods: The painting and installations shall be done in a manner that is equal to or exceeds the standards of similar methods performed throughout the telecommunications industry. This work shall be done in a manner that minimizes or eliminates downtime to the extent possible.

3.2.13 City of Columbus Representatives Present: The supplier shall allow City of

Columbus representatives to be present during all phases of the work.

3.3 Specification Requirements for 4250 Groves Rd.:

3.3.1 Preparation: Before painting, all surfaces shall be clean and free from all foreign matter. The tower requires the scraping of loose paint and corrosion. Any areas showing corrosion will be spot primed. All debris must be removed by the supplier. If hazardous materials (lead paint, etc.) must be disposed of, this will also be accomplished by supplier.

3.3.2 Painting: One (1) coat of one (1) color of paint shall be applied to the tower. The color shall be metallic in nature and meet the specifications for application to a Rohn manufactured tower. All surfaces of all parts of the tower, including any exposed steel, any anchors, turnbuckles and cable clamps, shall be painted, except accessories, such as antennas, ladders, bottom of flanges, lights and cables. All bolts and nuts, which have not been painted shall also be painted. The paint shall be applied by brushing or spraying, depending on conditions or the painter's option. All surfaces shall be uniformly covered, with no streaks or incompletely covered surfaces permitted.

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3.3.12 Installation Methods: The painting and installations shall be done in a manner that is equal to or exceeds the standards of similar methods performed throughout the telecommunications industry. This work shall be done in a manner that minimizes or eliminates downtime to the extent possible.

3.3.13 City of Columbus Representatives Present: The supplier shall allow City of Columbus representatives to be present during all phases of the work.

3.4 Support and Service:

3.4.1 Field Maintenance Service: The supplier shall provide field maintenance service with second day coverage between the hours of 8:00 AM and 5:00 PM.

3.4.2 Help Desk Support: The supplier shall provide a minimum of 2 years of help desk support for the lighting system and all of its components.

4.0 SAMPLING, INSPECTION AND TESTING PROCEDURES

4.1 Inspection: The entire job shall undergo a thorough physical inspection upon receipt and prior to acceptance by the City. Any damaged, defective, substandard unit or work shall be removed, redone, or replaced by the supplier at no cost to the City of Columbus.

5.0 PREPARATION FOR DELIVERY

5.1 Delivery Location: The delivery location of materials shall be as follows:

5900 Parsons Avenue.:

Division of Support Services
John Grembowski
1250 Fairwood Ave.
Columbus, Ohio 43223

4250 Groves Rd.:

Division of Support Services
John Grembowski
1250 Fairwood Ave.
Columbus, Ohio 43223

5.2 Packaging: All items must be packaged in at least the minimum standard packing materials designed to protect against physical damage during shipment.

5.3.1 Invoice Content: Invoices are to be sent to the "Bill To" address below. The invoice shall show the customer purchase order number, description of the item and the total amount.

6.0 NOTES:

6.1 Environmentally Preferable Purchasing: In evaluation of this bid, pursuant to the City of Columbus Code (329.31 Environmentally Preferable Purchasing) preference shall be given to an environmentally preferable bidder (see page 3A). The bidder that will be considered environmentally preferred will have, but not limited to, products or processes with one or more of the following certifications: Green Seal, ISO14001, Energy Star, SCS or other Eco-Friendly certification determined by the City as relevant. A vendor is encouraged to provide products, information, training and or programs that will help the City comply with its' environmental initiative.

6.2 INSURANCE REQUIREMENTS

6.2.1 Liability Insurance: The contractor shall take out and maintain, during the life of the contract, such Public Liability (bodily injury and property damage) Insurance as shall protect him from claims and damages for personal injury, including accidental death, as well as from claims for property damage which may arise from operations under contract, whether such operation be by himself or any subcontractor or by anyone directly or indirectly employed by either of them. Such insurance policy shall include the city as named insured. The Contractor shall maintain coverage of the types and in the amounts specified below. Submitting a certificate of insurance shall evidence proof of such insurance coverage. A contractor's "umbrella" type policy with limits specified below may be submitted for this requirement, with the City as named insured.

The amount of such insurance shall be as follows:

Bodily Injury Liability

Each Person.....\$ 1,000,000.00
Each Accident.....\$ 1,000,000.00

Property Damage Liability

Each Person.....\$ 1,000,000.00
Each Accident.....\$ 1,000,000.00

Such Insurance shall remain in full force and effect during the life of the contract.

Insurance may not be changed or cancelled unless the insured and the City are notified in writing not less than thirty days prior to such change or cancellation. If any part of the contract is sublet, the Contractor is responsible for the part sublet being adequately covered by insurance herein above described.

Contractor assumes all risk of loss and damage the equipment provided unless loss or damage occurs at the time the operator and equipment are being operated for the purpose designated by the city and such loss or damages are caused by an act of the City or its employee which constitutes gross negligence or wanton misconduct.

6.2.2 Workers Compensation Insurance: The contractor shall take out and maintain, during the life of this contract, adequate worker's compensation insurance for all his employees employed at the site of the project and, in case any work is sublet, the Contractor shall require the subcontractor similarly to provide worker's compensation insurance for the latter's employees, unless such employees are covered by the protection afforded by the Contractor. The Contractor shall furnish a copy of the worker's compensation certificate showing that the Contractor has paid his industrial insurance.

6.2.3 Insurance Verification: The Contractor shall submit proof that the required liability insurance and Worker's Compensation is paid and in effect. A certificate of Liability Insurance and a copy of the Workers Compensation Certificate must be submitted with the bid.

6.4 Correspondence: All correspondence generated by contract awarded; regarding quantity, delivery, pricing, etc. shall be submitted to:

Division of Support Services
220 Greenlawn Ave
Columbus, Ohio 43223-2694
Attention: Tracena Fowler
e-mail: tfowler@columbus.gov

For additional information concerning this bid, including procedures for obtaining a copy of the bid document(s) and how to submit a proposal, you must go to the City of Columbus Vendor Services web page (<http://vendorservices.columbus.gov>) and view this bid number in the open solicitations listing.

DELIVERY ADDRESS:

(See below)

Terms:

Pursuant to City of Columbus Code Section 3907.05, all contractors, including subcontractors, who are a party to a contract as defined in C.C. 3901.01, must hold a valid contract compliance certification number.

For information regarding contract compliance, please contact the Equal Business Opportunity Commission Office at (614) 645 - 4764.

Equal Opportunity Clause

- (1) The contractor will not discriminate against any employee or applicant because of race, color, religion, sex or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment upgrading, demotion, or termination; rates of pay or other forms of compensation; and selection for training. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices summarizing the provisions of this Equal Opportunity Clause.
- (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that the contractor is an equal opportunity employer.
- (3) It is the policy of the City of Columbus that business concerns owned and operated by minority and female persons shall have the maximum practical opportunity to participate in the performance of contracts awarded by the CITY.
- (4) The contractor shall permit access to any relevant and pertinent reports and documents by the Executive Director for the sole purpose of verifying compliance with this article, and with the regulations of the Equal Business Opportunity Commission Office. All such materials provided to the Executive Director by the contractor shall be considered confidential.
- (5) The contractor will not obstruct or hinder the Executive Director or her deputies, staff, and assistants in the fulfillment of their duties and responsibilities imposed by Article I, Title 39.
- (6) The contractor and each subcontractor will include a summary of this Equal Opportunity Clause in every subcontract. The contractor will take such action with respect to any subcontract as is necessary as a means of enforcing the provisions of the Equal Opportunity Clause.
- (7) The contractor agrees to refrain from subcontracting any part of this contract modification thereto to a contractor not holding a valid contract compliance number as provided for in Article I, Title 39.
- (8) Failure or refusal of a contractor or subcontractor to comply with the provisions of Article I, Title 39, may result in the cancellation of this contract.

<p>DELIVER TO</p> <p>JOHN GREMBOWSKI 1250 FAIRWOOD AVE COLUMBUS OH 43223 -</p>	
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